

**IN THE CLAIMS**

Please cancel claims 5, 29, and 34 without prejudice.

Please amend claims 1-4, 6-14, 17, 19-22, 24-26, 30-33, 35-44,  
and 46-47 as follows below.

Please add new claims 48-51 as follows below.

**MARKED UP CLAIMS**

- 1           1. (Currently Amended)   A light comprising:  
2                 a rotatable acrylic rod having a first end and a  
3                 second end, the rotatable acrylic rod to rotate to  
4                 change a direction of radiation of light;  
5                 a first circuit board including one or more light  
6                 emitting diodes (LEDs) ~~electrical-to-optical converters~~  
7                 to generate photons, an optical axis of each of the one  
8                 or more light emitting diodes (LEDs) substantially in  
9                 parallel with a central optical axis of the rotatable  
10                acrylic rod; and  
11                a first end housing having a first opening through  
12                which the first end of the acrylic rod is inserted, the  
13                rotatable acrylic rod rotatable within the first end  
14                housing, the first end housing to house the first  
15                circuit board and align the one or more ~~electrical-to-~~  
16                ~~optical converters~~ light emitting diodes (LEDs) of the  
17                first circuit board with the first opening and the  
18                first end of the rotatable acrylic rod.
- 1           2. (Currently Amended)   The light of claim 1, wherein  
2                 the rotatable acrylic rod is clear.

1           3. (Currently Amended)   The light of claim 1, wherein  
2           the rotatable acrylic rod is cylindrical.

1           4. (Currently Amended)   The light of claim 1, further  
2   comprising:

3                 a second circuit board including one or more  
4           ~~electrical-to-optical converters~~ light emitting diodes  
5           (LEDs) to generate photons; and

6                 a second end housing having a second opening  
7           through which the second end of the rotatable acrylic  
8           rod is inserted, the second end housing to house the  
9           second circuit board and align the one or more  
10          ~~electrical-to-optical converters~~ light emitting diodes  
11          (LEDs) of the second circuit board with the second  
12          opening and the second end of the rotatable acrylic  
13          rod.

1           5. (Cancelled)

1           6. (Currently Amended)   The light of claim 1 ~~[[5]]~~,  
2   wherein

3                 the one or more light emitting diodes (LEDs) emit an  
4           incoherent light for dispersion out of the rotatable acrylic  
5           rod.

1           7. (Currently Amended)   The light of claim 1, wherein  
2           the length of the rotatable acrylic rod is proportional  
3           to a desired wavelength ~~and frequency~~ of light.

1           8. (Currently Amended)   The light of claim 1, wherein  
2           the diameter of the rotatable acrylic rod is  
3           proportional to a desired wavelength ~~and frequency~~ of light.

1           9. (Currently Amended)   The light of claim 1, further  
2           comprising:  
3           a first reflector coupled to the first circuit board  
4           around the one or more ~~electrical-to-optical converters~~  
5           light emitting diodes (LEDs) at a first end, a second end of  
6           the first reflector aligned with the first opening and  
7           receiving the first end of the rotatable acrylic rod, the  
8           first reflector to reflect photons into the rotatable  
9           acrylic rod.

1           10. (Currently Amended)   The light of claim 1, further  
2           comprising:  
3           a reflective strip coupled down the length of the  
4           rotatable acrylic rod to reflect photons out of the  
5           rotatable acrylic rod.

1           11. (Currently Amended)   The light of claim 10, wherein  
2           the reflective strip encompasses one hundred eight  
3           degrees of a diameter of a circular cylindrical cross-  
4           section of the rotatable acrylic rod.

1           12. (Currently Amended)   The light of claim 10, wherein

2 the reflective strip encompasses ninety degrees of a  
3 diameter of a circular cylindrical cross-section of the  
4 rotatable acrylic rod.

1 13. (Currently Amended) The light of claim 10, wherein  
2 the reflective strip encompasses forty five degrees of  
3 a diameter of a circular cylindrical cross-section of the  
4 rotatable acrylic rod.

1 14. (Currently Amended) The light of claim 1, wherein  
2 the photons are coupled into the rotatable acrylic rod  
3 and radiated outward therefrom without the use of a fragile  
4 glass bulb or filament.

1 15. (Original) The light of claim 1, wherein  
2 the light is mounted to a rack to light rack mounted  
3 equipment.

1 16. (Original) The light of claim 1, wherein  
2 the light is a light fixture to mount to a surface to  
3 illuminate an area.

1 17. (Currently Amended) The light of claim 1, further  
2 comprising:  
3 an electrical-to-optical controller coupled to the  
4 first circuit board to control the one or more  
5 ~~electrical-to-optical converters~~ light emitting diodes  
6 (LEDs); and

7           an on/off switch to switch the generation of  
8           photons by the one or more ~~electrical-to-optical~~  
9           ~~converters~~ light emitting diodes (LEDs) on and off.

1           18. (Original) The light of claim 17, further  
2           comprising:

3                   an intensity selection switch to vary the  
4           brightness of the generated light.

1           19. (Currently Amended) The light of claim 17, further  
2           comprising:

3                   a color selection switch to selectively choose  
4           [[the]] a mixture of primary colors generated by the  
5           one or more ~~electrical-to-optical-converters~~ light  
6           emitting diodes (LEDs) to vary the color of the  
7           generated light.

1           20. (Currently Amended) The light of claim 1, further  
2           comprising:

3                   a transformer to transform AC power to a safe  
4           efficient power to power the one or more ~~electrical-to-~~  
5           ~~optical-converters~~ light emitting diodes (LEDs) of the  
6           first circuit board in an efficient manner.

1           21. (Currently Amended) A method of lighting without a  
2           light bulb, the method comprising:

3                   generating first photons of a first desired color;  
4                   coupling the first photons into a first end of [[an]] a  
5           rotatable acrylic rod; [[and]]

6 radiating the first photons out of the rotatable  
7 acrylic rod as light in [[the]] a first direction; and  
8 rotating the rotatable acrylic rod to radiate the first  
9 photons in a second direction different from the first  
10 direction.

1 22. (Currently Amended) The method of claim 21,  
2 further comprising:  
3 generating second photons of the first desired color;  
4 coupling the second photons into a second end of the  
5 rotatable acrylic rod; and  
6 radiating the second photons out of the rotatable  
7 acrylic rod as light in the first direction or the second  
8 direction.

1 23. (Previously Presented) The method of claim 21,  
2 further comprising:  
3 varying a mixture of the first photons to change the  
4 first desired color to a second desired color.

1 24. (Currently Amended) The method of claim 21,  
2 further comprising:  
3 uniformly varying the mixture of the first photons  
4 generated and coupled into the rotatable acrylic rod to vary  
5 the intensity of the light.

1 25. (Currently Amended) The method of claim 21,  
2 wherein,  
3 the rotatable acrylic rod is cylindrically shaped.

1           26. (Currently Amended) The method of claim 21,  
2 wherein,  
3           the rotatable acrylic rod is clear.

1           27-29. (Cancelled)

1           30. (Currently Amended) The method of claim 22 ~~[[21]]~~,  
2 ~~further comprising:~~ wherein  
3           the rotating of the rotatable acrylic rod to radiate  
4 both the first photons and the second photons in ~~[[a]]~~ the  
5 second direction different from the first direction.

1           31. (Currently Amended) A light to mount to an  
2 equipment rack to provide equipment lighting, the light  
3 comprising:  
4           ~~[[an]]~~ a rotatable acrylic rod having a first end  
5 and a second end, the rotatable acrylic rod to rotate  
6 to change a direction of radiation of light;  
7           a first circuit board including one or more  
8 ~~electrical-to-optical converters~~ light emitting diodes  
9 (LEDs) to generate photons, an optical axis of each of  
10 the one or more light emitting diodes (LEDs)  
11 substantially in parallel with a central optical axis  
12 of the rotatable acrylic rod at the first end;  
13           a first end housing having a first opening through  
14 which the first end of the rotatable acrylic rod is  
15 inserted, the first end housing to house the first  
16 circuit board and align the one or more ~~electrical-to-~~

17       ~~optical converters~~ light emitting diodes (LEDs) of the  
18       first circuit board with the first opening and the  
19       first end of the rotatable acrylic rod;  
20             a second circuit board including one or more  
21       ~~electrical-to-optical converters~~ light emitting diodes  
22       (LEDs) to generate photons, an optical axis of each of  
23       the one or more light emitting diodes (LEDs)  
24       substantially in parallel with the central optical axis  
25       of the rotatable acrylic rod at the second end; and  
26             a second end housing having a second opening  
27       through which the second end of the acrylic rod is  
28       inserted, the second end housing to house the second  
29       circuit board and align the one or more ~~electrical-to-~~  
30       ~~optical converters~~ light emitting diodes (LEDs) of the  
31       second circuit board with the second opening and the  
32       second end of the rotatable acrylic rod.

1       32. (Currently Amended) The light of claim 31, wherein  
2       the rotatable acrylic rod is clear.

1       33. (Currently Amended) The light of claim 31, wherein  
2       the rotatable acrylic rod is cylindrical.

1       34. (Cancelled)

1       35. (Currently Amended) The light of claim 31 ~~[[34]]~~,  
2       wherein



3       the one or more light emitting diodes (LEDs) emit an  
4       incoherent light for dispersion out of the rotatable acrylic  
5       rod.

1       36. (Currently Amended) The light of claim 31, wherein  
2       a length of the rotatable acrylic rod is proportional  
3       to a desired wavelength ~~and frequency~~ of light.

1       37. (Currently Amended) The light of claim 31, wherein  
2       a diameter of the rotatable acrylic rod is proportional  
3       to a desired wavelength ~~and frequency~~ of light.

1       38. (Currently Amended) The light of claim 31, further  
2       comprising:

3       a first reflector coupled to the first circuit board  
4       around the one or more ~~electrical-to-optical converters~~  
5       light emitting diodes (LEDs) at a first end, a second end of  
6       the first reflector aligned with the first opening and  
7       receiving the first end of the rotatable acrylic rod, the  
8       first reflector to reflect photons into the rotatable  
9       acrylic rod;

10       a second reflector coupled to the second circuit board  
11       around the one or more ~~electrical-to-optical converters~~  
12       light emitting diodes (LEDs) at a second end, a second end  
13       of the first reflector aligned with the second opening and  
14       receiving the second end of the rotatable acrylic rod, the  
15       second reflector to reflect photons into the rotatable  
16       acrylic rod.

1           39. (Currently Amended) The light of claim 31, further  
2 comprising:

3           a reflective strip coupled down the length of the  
4 rotatable acrylic rod to reflect photons out of the  
5 rotatable acrylic rod.

1           40. (Currently Amended) The light of claim 39, wherein  
2 the reflective strip encompasses one hundred eight  
3 degrees of a diameter of a circular cylindrical cross-  
4 section of the rotatable acrylic rod.

1           41. (Currently Amended) The light of claim 39, wherein  
2 the reflective strip encompasses ninety degrees of a  
3 diameter of a circular cylindrical cross-section of the  
4 rotatable acrylic rod.

1           42. (Currently Amended) The light of claim 41, wherein  
2 the reflective strip encompasses forty five degrees of  
3 a diameter of a circular cylindrical cross-section of the  
4 rotatable acrylic rod.

1           43. (Currently Amended) The light of claim 31, wherein  
2 the photons are coupled into the rotatable acrylic rod  
3 and radiated outward therefrom without the use of a fragile  
4 glass bulb or filament.

1           44. (Currently Amended) The light of claim 31, further  
2 comprising:

3           an electrical-to-optical controller coupled to the  
4           first circuit board to control the one or more  
5           ~~electrical-to-optical converters~~ light emitting diodes  
6           (LEDs); and

7           an on/off switch to switch the generation of  
8           photons by the one or more ~~electrical-to-optical~~  
9           ~~converters~~ light emitting diodes (LEDs) on and off.

1           45. (Previously Presented)       The light of claim 44,  
2           further comprising:

3           an intensity selection switch to vary the  
4           brightness of the generated light.

1           46. (Currently Amended)       The light of claim 45, further  
2           comprising:

3           a color selection switch to selectively choose  
4           [[the]] a mixture of primary colors generated by the  
5           one or more ~~electrical-to-optical converters~~ light  
6           emitting diodes (LEDs) to vary the color of the  
7           generated light.

1           47. (Currently Amended)       The light of claim 31, further  
2           comprising:

3           a transformer to transform AC power to a safe  
4           efficient power to power the one or more ~~electrical-to-~~  
5           ~~optical converters~~ light emitting diodes (LEDs) of the  
6           first and second circuit boards in an efficient manner.

1           48. (New)                    The light of claim 1, wherein

2        the length of the rotatable acrylic rod is proportional  
3        to a desired frequency of light.

1        49. (New)        The light of claim 1, wherein  
2        the diameter of the rotatable acrylic rod is  
3        proportional to a desired frequency of light.

1        50. (New)        The light of claim 31, wherein  
2        a length of the rotatable acrylic rod is proportional  
3        to a desired frequency of light.

1        51. (New)        The light of claim 31, wherein  
2        a diameter of the rotatable acrylic rod is proportional  
3        to a desired frequency of light.